Approximate value of Coinage of U.S. in Gold and Silver from the beginning in 1792 to 30th June. 1882

	Spec. Grav.	Wt. Cub. Inch.	Measure of $ one Million
Gold	17.25	4354.9 grains	5924.36 C.I.
Silver	10.30	2602.84 "	158481. "

	Total Issue, value	Measure
Gold	$ 1300,000,000 =	4,457 C.F.
Silver	335,000,000 =	30,724 "

Size of the Cube of the preceding capacity.

Gold	16½ ft. on a side, nearly.
Silver	31⅓ ft. — " — — " — .

The above calculations are based on One Cubic Inch of Water, weighing 252.458 Grains, at 62° Fahr. and 30 inches Barom.

Ja C Booth

M. & R.

1 C.I. water @ 62° Fahr. & 30 in. Bar: = 252.458   log. = 2.4021892

Sp.gr. of Gold Coin (U.S.) rolled = 17.25.   log = 1.2367891

1 C.I. Gold Coin = 4354.9005 grains.   log = 3.6389788

4354.9005 grs. Gold coin contain 4354.9 × .9 = 3919.41 grs Gold pure

grs. water   sp.gr. pure gold
252.458 × 19.2 = 4847.1936 = grs. in 1 C.I. pure gold

or l. 252.458 = 2.4021892 } = 3.6854904 = log. 4847.1933
   l. 19.2   = 1.2833012 }

($1.00) One Dollar gold = 25.8 $1000 = 25800.   #= 4.4116197
                                   4354.9 — ± l. = 3.6389782
                                                   ———————
                                                   0.7726415

3.6389782 = l.   C.I. l. 5.92436 =
——————
$ 1000

$1,000,000 Gold Coin = 592436 C.I. =

l. 592436 = 3.7726415 = 0.5350978 = l. 3.42845 C.F.
   ——————   —————
   1728   3.2375437

$1300,000,000 Gold coin = 0.5350978 } = 4457. C.F. = (16.4569)³ ft.
                    1300 3.1139434 }
                          ————————
                          3.6490412 =

───

Sp.gr. Silver. coin = 10.3   252.458 × 10.3 = 2602.84 grns in C.I. Silver coin.

Wt. of one Doll. = 412.5 grns. of $1000 = 412500 grns. l. = 5.6154240
                              l. 2602.84   3.4154475
                                              ————————
              l. of 158.481 C.I. =   2.1999765

$1,000,000 Silver coin = 158481 C.I. l. = 5.1999765 =
                         ——————   3.2375437
1728 C.I. = 1 C.F.   1728   ————————
                                         1.9624328 = l. 91.7134 C.F.

              $335 Millions. l. = 2.5250448
                                  ———————— = l. 30724 C.F. =
                                  4.4874776

                                  (31.3203)³

        $1.00 = 412.5 grns
                   .9
                ————————
                371.25 grns. pure silver

        Sp.gr. of pure silver = 10.45

1 C.I. pure silver = 252.458 = 2.4021892
                     ——————   1.0191163
                     10.45   ————————
                              3.4213055 = l. 2638.21 grains